



EXPLANATION	
Alluvium	Recent
Playa clay	
Gravel and sand	
Basalt	
Nonmarine sedimentary and volcanic rocks	TERTIARY
Marine sedimentary rocks	
Marine sedimentary rocks	CRETACEOUS
Marine sedimentary rocks and metasedimentary rocks	
Plutonic and hypabyssal rocks Including gneisses and metavolcanic rocks	PRE-TERTIARY
Contact	
Dashed where indefinite	
Fault, showing dip and relative movement Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side	

- SOURCE LIST
- Allen, C. A., 1954, San Andreas fault zone in San Gorgonio Pass, southern California: *Geol. Soc. America Bull.*, v. 65, p. 315-350.
 - Bassett, A. M., and Kupfer, D. H., 1956, Preliminary geologic map of part of southeastern Mojave Desert, California: U.S. Geol. Survey open-file report.
 - Bowen, O. E., Jr., 1954, Geology and mineral resources of the Barstow quadrangle, San Bernardino County, California: California Div. Mines Bull. 165.
 - Byers, F. M., Jr., 1960, Geology of the Alvord Mountains quadrangle, California: U.S. Geol. Survey Bull. 1089-A.
 - Byers, F. M., Jr., and Ellis, R. C., unpublished data.
 - Crowell, J. C., 1952, Geology of the Lebec quadrangle, California: California Div. Mines Bull. Rep. 24.
 - , 1954, Strike-slip displacement of the San Gabriel fault, Southern California: California Div. Mines Bull. 170, contr. 6, fig. 1.
 - Dibblee, T. W., Jr., 1952, Geology of the Saltdale quadrangle, California: California Div. Mines Bull. 160.
 - , 1953, Geology of the Breckenridge Mountain quadrangle, California: California Div. Mines Bull. 168.
 - , unpublished data.
 - Durrell, C., 1954, Geology of the Santa Monica Mountains, Los Angeles and Ventura Counties, California: California Div. Mines Bull. 170, map sheet 8.
 - Gardner, D. L., 1940, Geology of the Newberry and Ord Mountains, San Bernardino County, California: *California Jour. Mines and Geology*, v. 36, n. 3, pl. 2.
 - Grose, L. T., 1959, Structure and petrology of the northeast part of the Soda Mountains, San Bernardino County, California: *Geol. Soc. America Bull.*, v. 70, no. 12, pl. 1.
 - Henshaw, P. C., 1939, A Tertiary mammalian fauna from the Avawatz Mountains, San Bernardino County, California: *Carnegie Inst. Washington Pub.* 514.
 - Hulin, C. D., 1925, Geology and ore deposits of the Randsburg quadrangle, California: *California State Mining Bur. Bull.* 95.
 - Jahns, R. H., and others, 1954, Geologic map of Transverse Range Province, southern California: California Div. Mines Bull. 170, chap. 2, contr. 3, pl. 4.
 - Jenkins, O. P., 1958, Geologic map of California: California Div. Mines, 6 sheets.
 - Johnson, B. K., unpublished data.
 - Kew, W. S. W., 1924, Geology and oil resources of a part of Los Angeles and Ventura Counties, California: U.S. Geol. Survey Bull. 753.
 - Kupfer, D. H., 1954, Geology of the Silurian Hills, San Bernardino County, California: California Div. Mines Bull. 170, map sheet 19.
 - Mason, J. F., 1948, Geology of the Tecopa area, southeastern California: *Geol. Soc. America Bull.*, v. 59.
 - McAllister, J. F., unpublished data.
 - McCullough, T. H., 1952, Geology of the southern half of the Lane Mountain quadrangle, California: Ph.D. thesis, California Univ., Los Angeles.
 - MacKevett, E. M., 1951, Geology of the Jurupa Mountains, San Bernardino and Riverside Counties, California: California Div. Mines Spec. Rept. 5.
 - Miller, J., 1954, Geology of the western San Gabriel Mountains, California: California Univ. Pub. Math. Phys. Sci., v. 1, Los Angeles.
 - Miller, W. J., and Webb, R. W., 1940, Descriptive geology of the Kernville quadrangle, California: *California Jour. Mines and Geology*, v. 36, no. 4 [1941].
 - Muehlberger, W. R., 1954, Geology of the Quail Mountains, San Bernardino County, California: California Div. Mines Bull. 170, map sheet 16.
 - Muessig, S. J., unpublished data.
 - Nelson, C. A., and Von Heune, R., unpublished data.
 - Noble, L. F., 1941, Structural features of the Virgin Springs area, California: *Geol. Soc. America Bull.*, v. 52.
 - , 1954, Generalized geologic map of the San Andreas fault zone from Soledad Pass to Cajon Pass, California: California Div. Mines Bull. 170, chap. 4, pl. 5.
 - Noble, L. F., and Wright, L. A., unpublished data.
 - Oakeshott, G. B., 1954, Geologic map of the San Fernando quadrangle, California: California Div. Mines.
 - Rogers, J. J. W., 1954, Geology of a portion of the Joshua Tree National Monument, Riverside County, California: California Div. Mines Bull. 170, map sheet 24.
 - Sims, E. C., 1954, Geology and mineral deposits of the Elizabeth Lake quadrangle: *California Jour. Mines and Geology*, v. 30, no. 3.*
 - Smith, G. I., unpublished data.
 - Smith, G. I., and Ellis, R. C., unpublished data.
 - Smith, W. C., unpublished data.
 - Vaughan, F. E., 1922, Geology of the San Bernardino Mountains north of San Gorgonio Pass, southern California: California Univ. Dept. Geol. Sci. Bull., v. 12.
 - Wiese, J. H., 1950, Geology and mineral resources of the Neenach quadrangle, California: California Div. Mines Bull. 158.
 - Woodford, A. O., and others, 1954, Geology of the Los Angeles basin: California Div. Mines Bull. 170, chap. 2, contr. 5, pl. 1.

- * Field checked and modified by T. W. Dibblee, Jr.

